

FUEL FEEDING DEVICE OF ENGINE

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Abstract

PROBLEM TO BE SOLVED: To provide a fuel feeding device of engine capable of starting the engine earlier without using any large-sized fuel pump.

SOLUTION: A liquefied petroleum gas is stored in a fuel tank 10, fuel of liquid phase stored in the fuel tank 10 is forcibly fed by a fuel pump 11 through fuel pipes 13, 14, and 15, and the fuel passing through a relief valve 16 installed in midway is returned to the fuel tank 10. Also fuel of liquid phase contained in the fuel pipes is injected from the injectors 6a to 6d connected to the fuel pipes 13, 14 and 15 on the upstream side of the relief valve 16. In addition, a bypass valve 17 to bypass the relief valve 16 is installed in the fuel pipings, and a bypass valve 18 is installed in midway to the bypass valve 17. Then, when the engine is started, an ECU 19 opens the bypass valve 18 for specified time before starting and drives the fuel pump 11 during the period in which the valve is open.

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